

Title (en)  
PROCESS FOR COATING ELECTRICALLY CONDUCTIVE SUBSTRATES AND AQUEOUS CATHODICALLY PRECIPITABLE ELECTRO-DIPCOAT ENAMEL.

Title (de)  
VERFAHREN ZUM BESCHICHTEN ELEKTRISCH LEITFÄHIGER SUBSTRATE UND KATHODISCH ABSCHIEDBARER WÄSSRIGER ELEKTROTAUHLACK.

Title (fr)  
PROCEDE D'ENDUCTION DE SUBSTRATS ELECTROCONDUCTEURS ET VERNIS AQUEUX DE TREMPAGE ELECTROPHORETIQUE CATHODIQUEMENT PRECIPITABLE.

Publication  
**EP 0528853 B1 19940928**

Application  
**EP 91908693 A 19910425**

Priority  
• DE 4015703 A 19900516  
• EP 9100803 W 19910425

Abstract (en)  
[origin: WO9118063A1] Aqueous electro-dipcoat enamels are disclosed, having 2 to 10 wt. % of an anti-corrosive pigment based on zinc silicate associated with 1 to 15 wt.% of a finely divided quartz or cristobalite powder coated with epoxysilane or aminosilane, the percentages in weight referring to the total non-volatile matter in the electro-dipcoat enamel. The anti-corrosive pigment is produced by melting 35 to 65 wt. % of ZnO, 15 to 35 wt. % of SiO<sub>2</sub>? and 0 to 20 wt. % of B<sub>2</sub>O<sub>3</sub>? and/or 0 to 20 wt. % WO<sub>3</sub>? and/or 0 to 20 wt. % MoO<sub>3</sub>? and/or 0 to 20 wt % SnO<sub>2</sub>?. All components are melted together, so that the sum of all weight percentages always equals 100 wt. %, whereas at least one of the above-mentioned oxides is used, besides ZnO and SiO<sub>2</sub>?.

IPC 1-7  
**C09D 5/44**; **C09D 5/08**

IPC 8 full level  
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Cited by  
DE102007012406A1; US8475883B2; US8399061B2; US10137476B2

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